



FEMA



Prepared by
Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Sunday, October 14, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- Areas of heavy rain / flash flooding are possible for NE through SW TX.
 - Isolated heavy rain possible over AR, N LA and W-Central TX.
- Severe storms possible from NE through SW TX this afternoon and evening; damaging winds, hail and isolated tornadoes all possible.
- Snow beginning today over NE & E NM; travel impacts likely. Significant snow accumulations possible by this afternoon over the Sangre de Cristo Mountains.

Monday

- Record cold temperatures in the morning over N & E NM; freezing drizzle and fog, snow and wintry mix will be ongoing; significant travel impacts likely in the morning.
 - Light accumulations of snow and ice are possible over N-Central and E-Central NM as well as the OK and TX Panhandles through midday.
- Isolated heavy rain possible from W-Central AR through SE OK and into N-Central through SW TX.

Tuesday - Thursday

- Isolated heavy rain / flash flooding potential continues Tuesday over the ArkLaTex into N-Central TX, then shifts to the Middle TX Coast and STX Wednesday. By Thursday, widespread rain chances continue from S OK through much of Central & STX; may see some additional flooding due to already saturated soils. Will likely continue Friday/Saturday as well.

River Flood Status

- Moderate flooding occurring or expected across OK for the next several days.
- Points along the Nueces River in STX are in or forecast to rise into Major Flood in the coming days.
- Additional rainfall over the next several days could slow improvements along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout SE OK, TX and SW AR due to already saturated soils.

Tropical Outlook

- A broad tropical wave is producing a large area of cloudiness and disorganized thunderstorms. Some slight development of this system is possible during the next day or two before conditions become unfavorable around mid-week, prior to the disturbance reaching the NE Coast of South America. This wave is expected to move westward at about 15mph during the next few days.
 - Formation chance through 48 hours...low...10%
 - Formation chance through 5 days...low...10%

FEMA Region 6 Threat Matrix

Oct 14, 2018 – Oct 18, 2018



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DAY / THREAT	SUN	MON	TUE	WED	THU
Severe Storms	NE through SW TX				
	ArkLaTex into Central, S & W-Cntrl TX				
Heavy Rain / Flash Flooding	NE through SW TX	SW AR, SE OK, N-Cntrl through SW TX	SW AR, SE OK, N-Cntrl TX	STX, TX Coastal Plains	S OK through Central & STX
	AR, N LA, W-Cntrl TX	W-Cntrl AR, SE OK, W-Cntrl TX, STX			
Winter Weather	NE & E NM	N-Central & NE NM(AM)			
		TX/OK Panhandles			
Tropical Weather					
River Flooding	STX	STX	STX	STX	STX
	OK	OK			

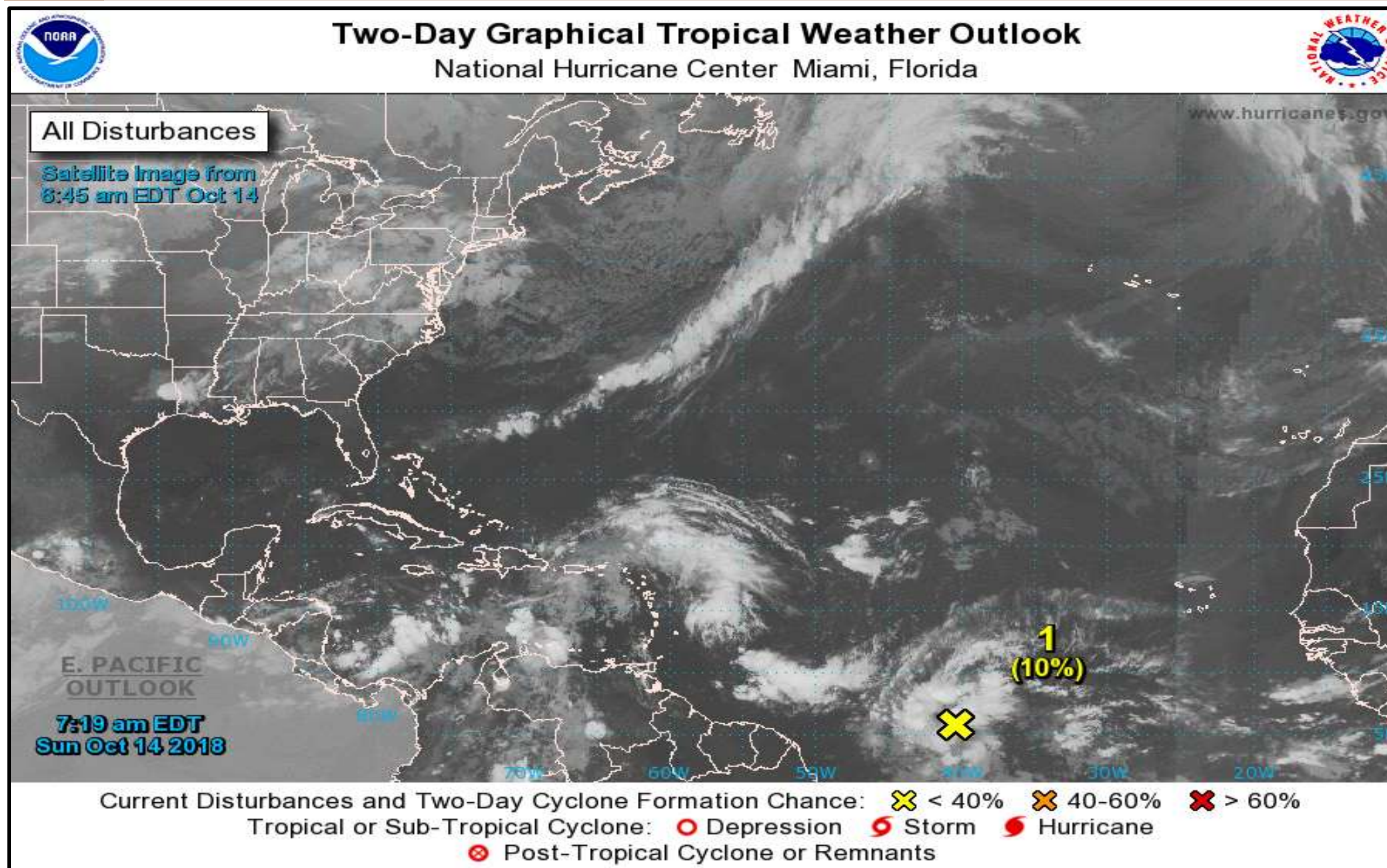
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

Tropical Weather Outlook – Atlantic/Gulf



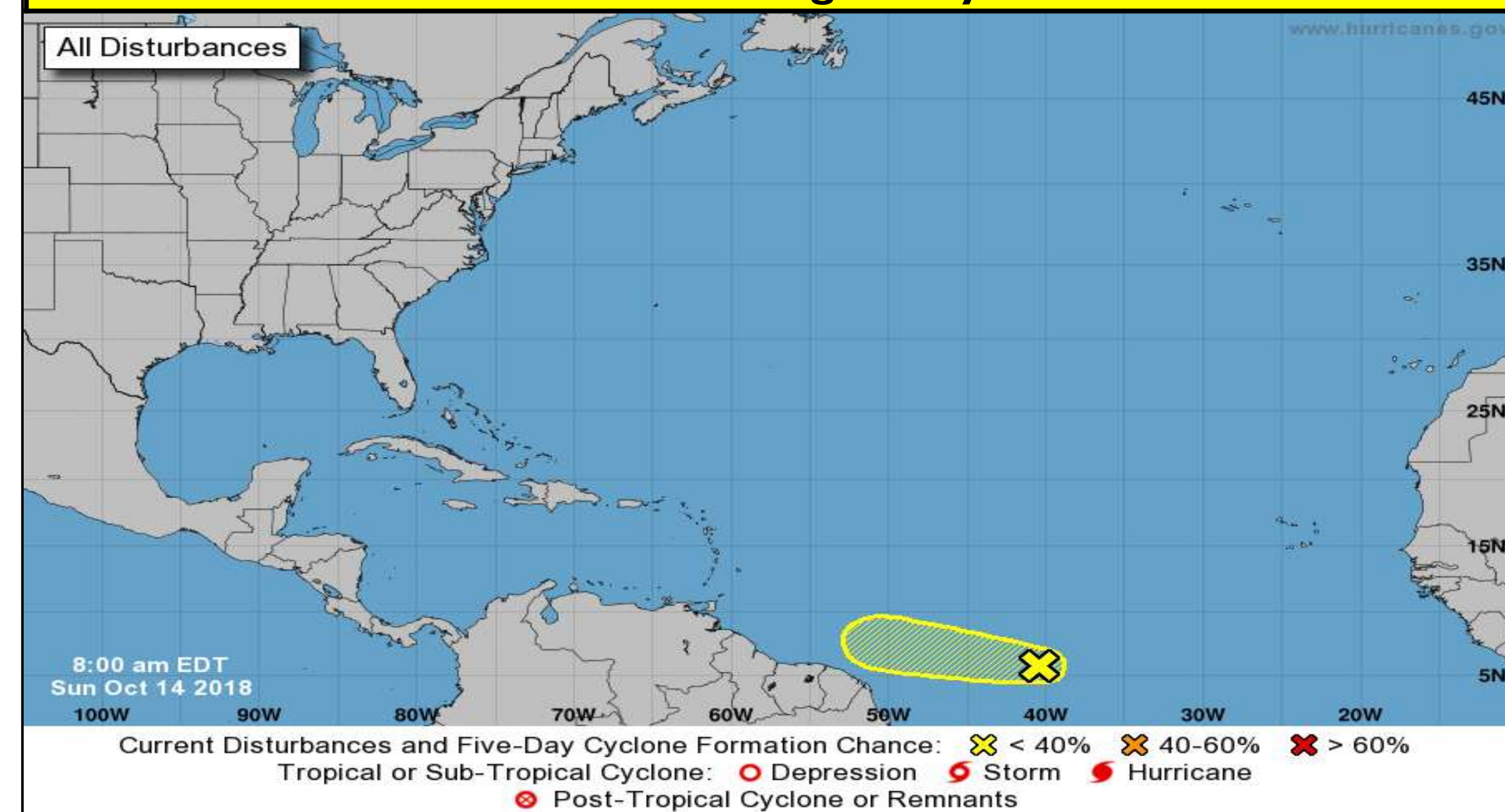
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A broad tropical wave is producing a large area of cloudiness and disorganized thunderstorms. Some slight development of this system is possible during the next day or two before conditions become unfavorable around mid-week, prior to the disturbance reaching the NE Coast of South America. This wave is expected to move westward at about 15mph during the next few days.

Formation chance through 48 hours...low...10%

Formation chance through 5 days...low...10%

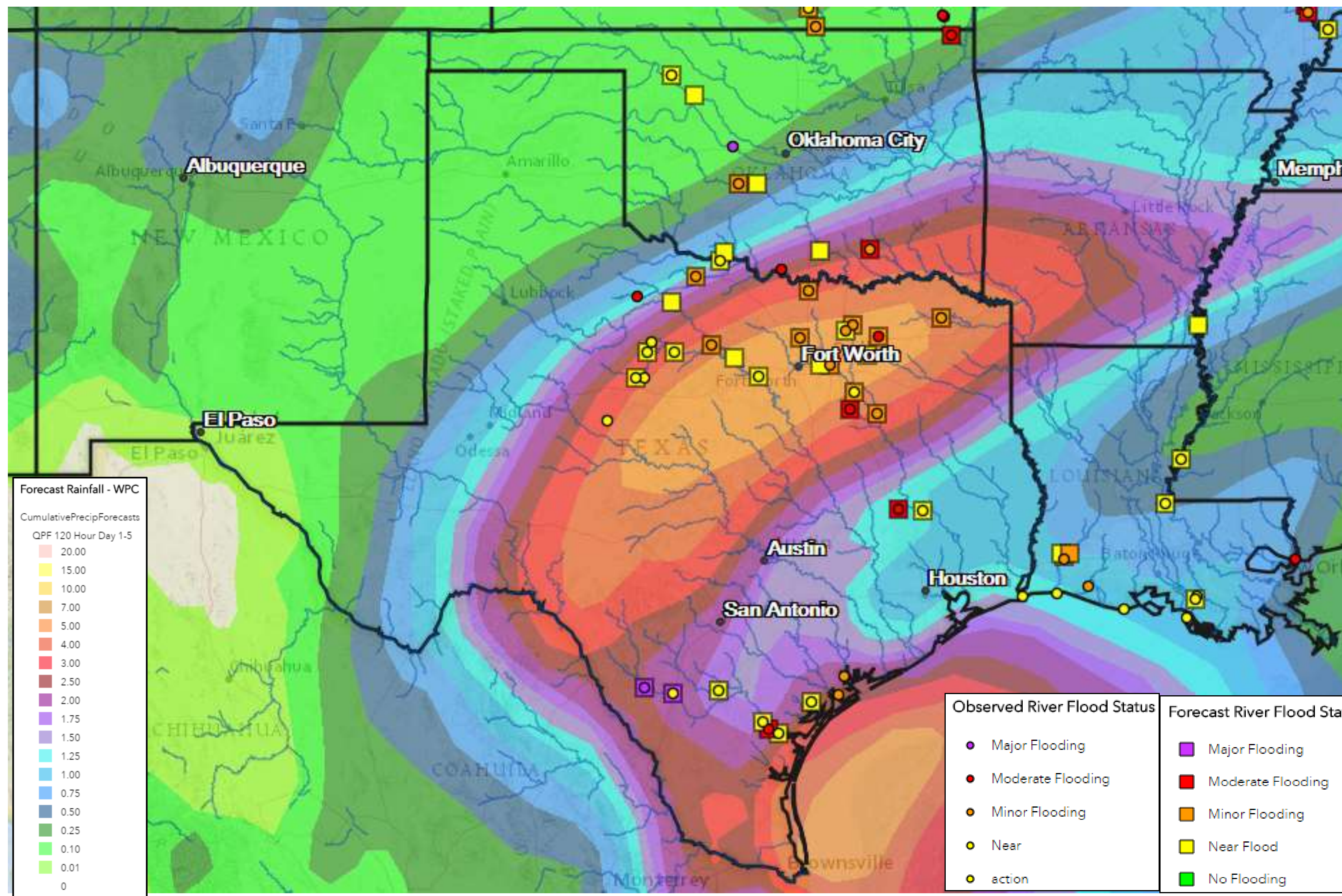


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate flooding occurring or expected across OK for the next several days. The Washita River at Anadarko should fall below flood stage today. The Neosho River near Commerce in NE OK will remain in moderate flood today and begin falling Monday; some roads and agriculture impacted. Clear Boggy Creek in SE OK will rise into Moderate Flood stage tomorrow; mostly agricultural impacts expected.

Points along the Nueces River in STX are in or forecast to rise into Major Flood in the coming days. Mostly agricultural impacts are expected, but near Cotulla many roads are likely to flood in coming days and evacuations might be needed.

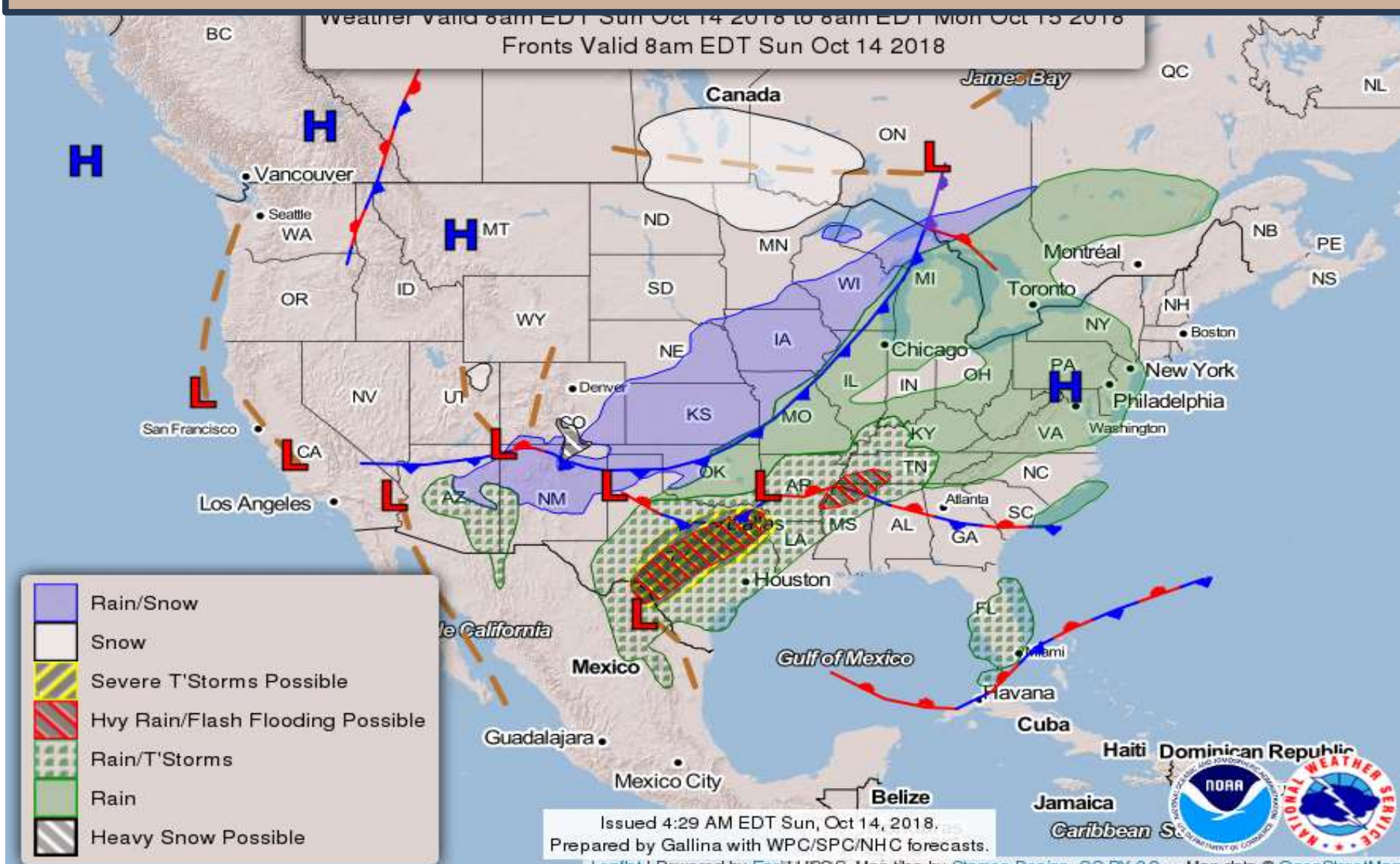
Additional rainfall over the next several days could slow improvements along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout SE OK, TX and SW AR due to already saturated soils.

Today's Weather

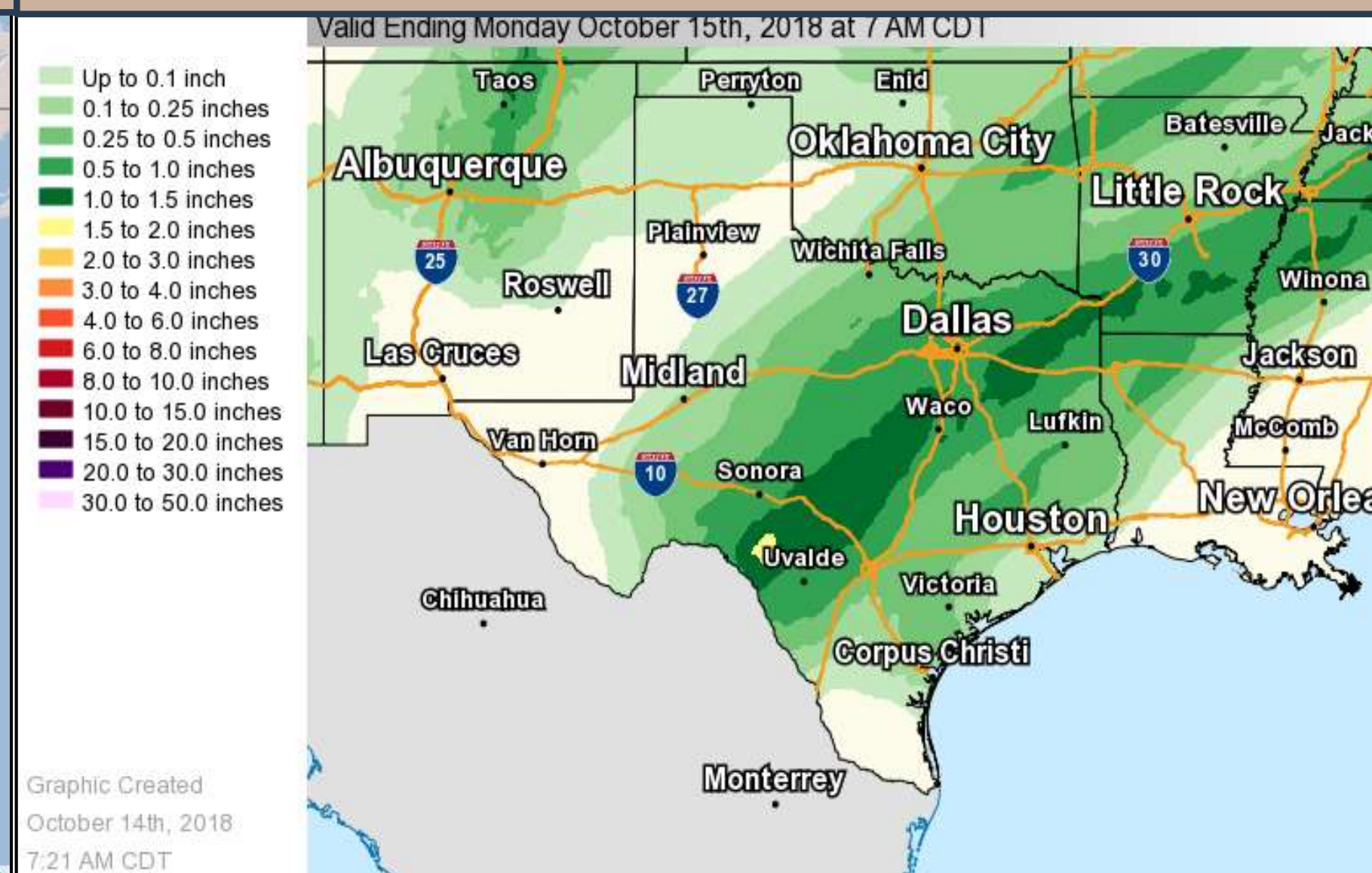


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Forecast Chart



Forecast Rainfall



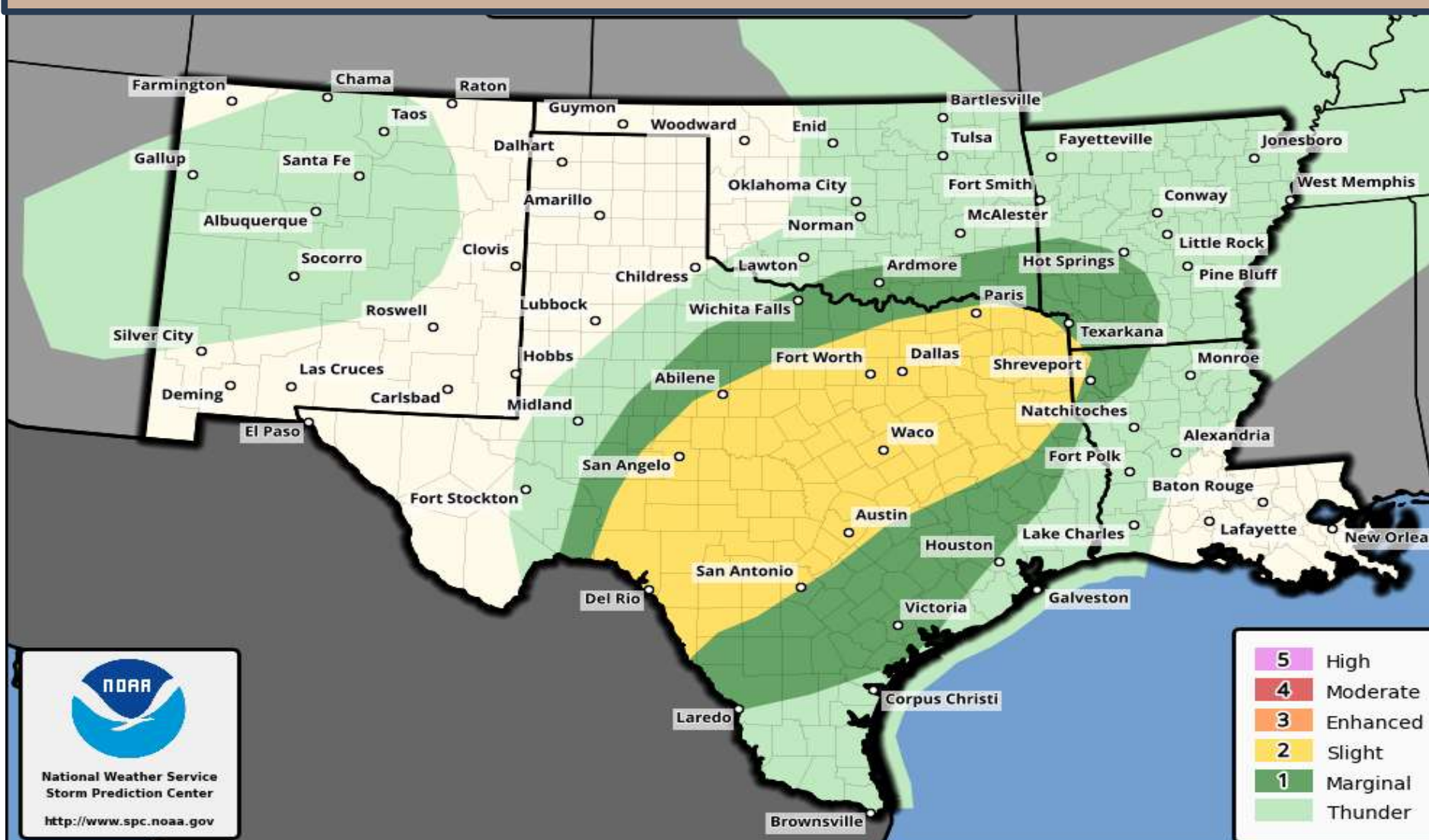
Areas of heavy rain / flash flooding are possible for NE through SW TX.

Isolated heavy rain possible over AR, N LA and W-Central TX.

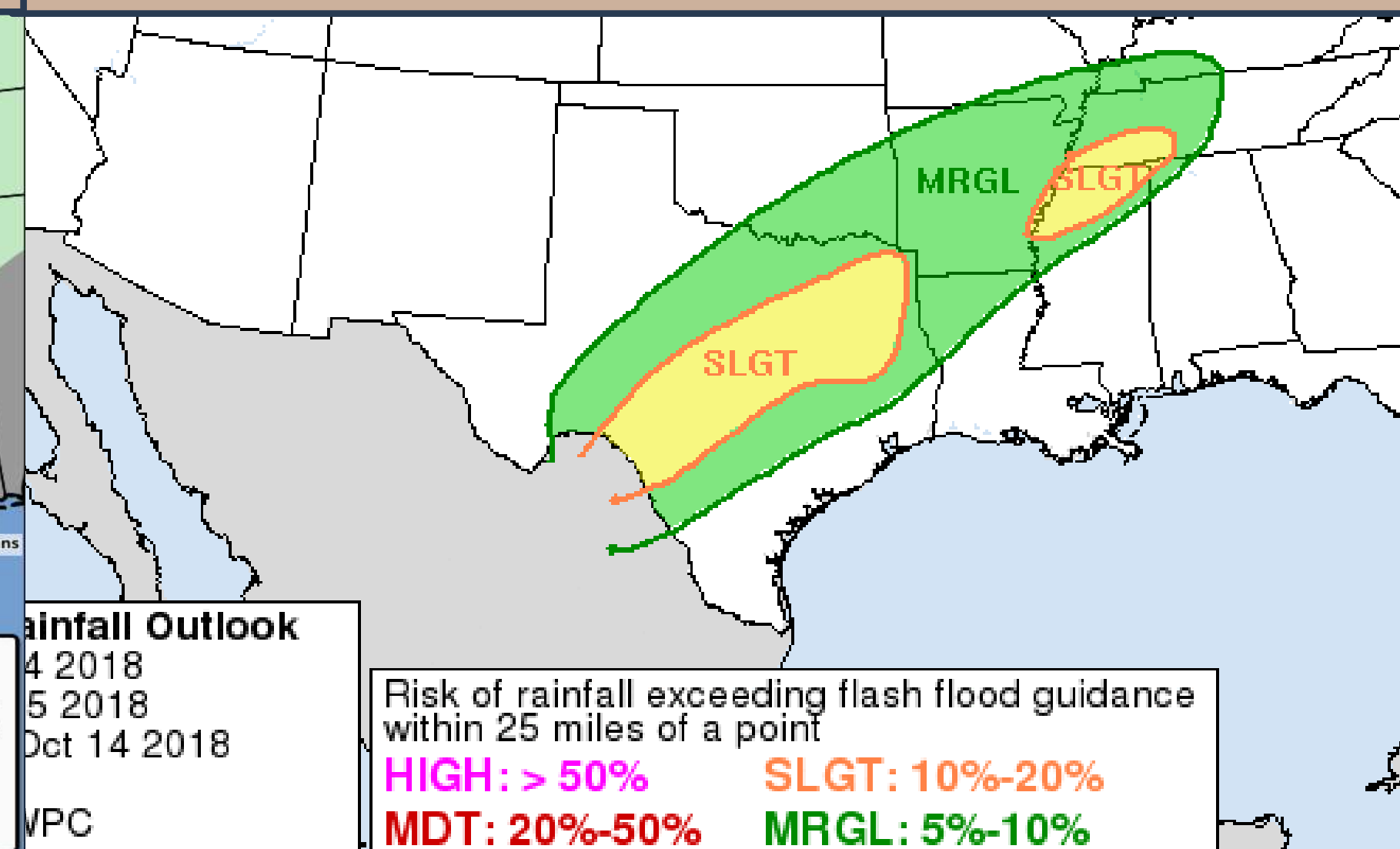
Severe storms possible from NE through SW TX this afternoon and evening; damaging winds, hail and isolated tornadoes all possible.

Snow beginning today over NE & E NM; travel impacts likely. Significant snow accumulations possible by this afternoon over the Sangre de Cristo Mountains.

Severe Weather Outlook



Excessive Rainfall Outlook



Rainfall Outlook
4 2018
5 2018
Oct 14 2018
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

Winter Storm Warnings are in effect for northern and northeastern portions of New Mexico; an early season winter storm will bring significant travel impacts today through Monday morning.

Winter Weather Advisories extend into N-Central and E-Central NM as well as the OK and TX Panhandles. Light accumulations of snow and ice are possible through midday Monday.

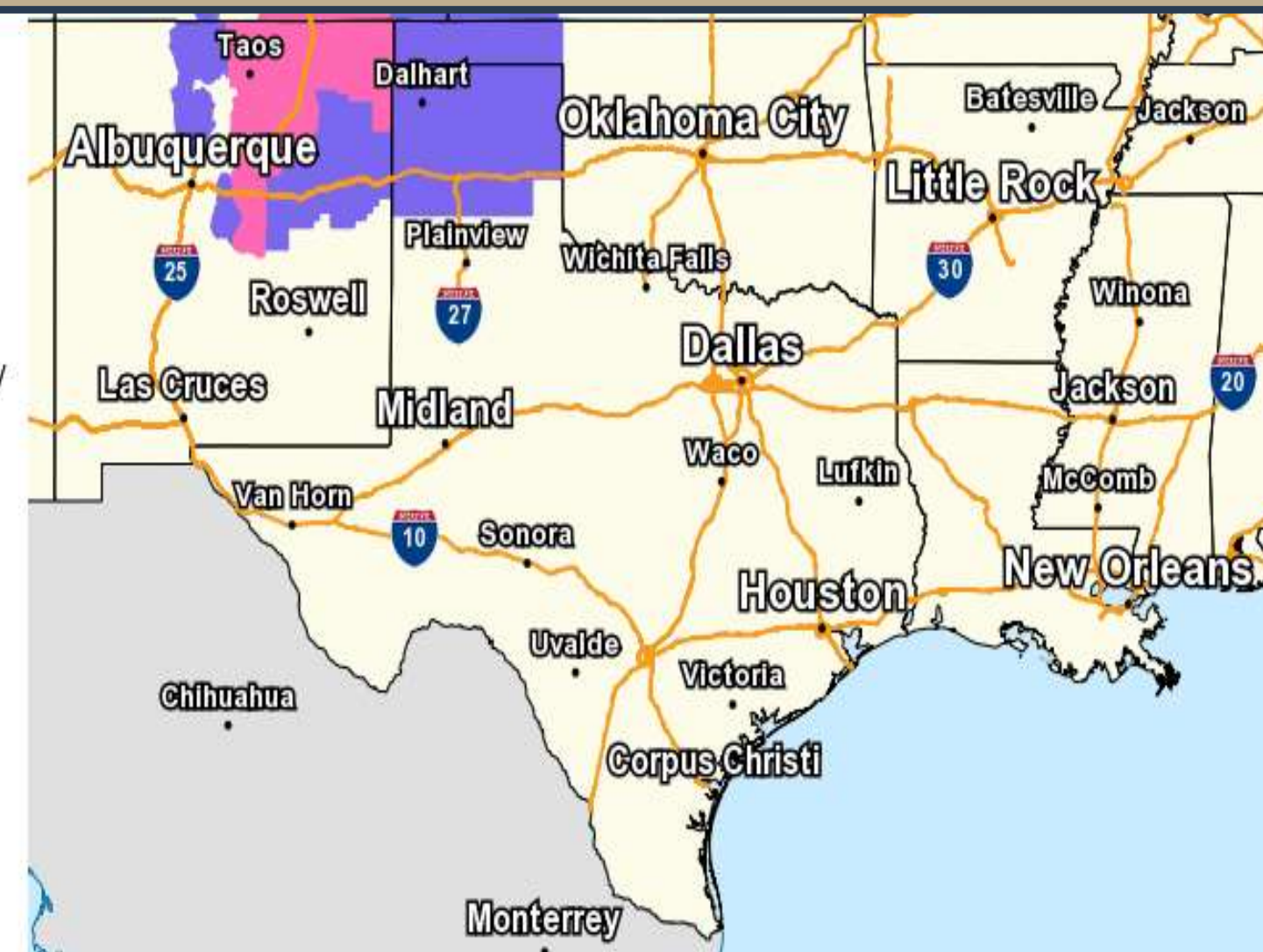
Wind advisories are in effect through midday today over the TX and OK Panhandles; north winds of 25 to 35mph with gusts up to 55mph are possible.

Strong & Gusty Winds



Graphic Created

Winter Weather



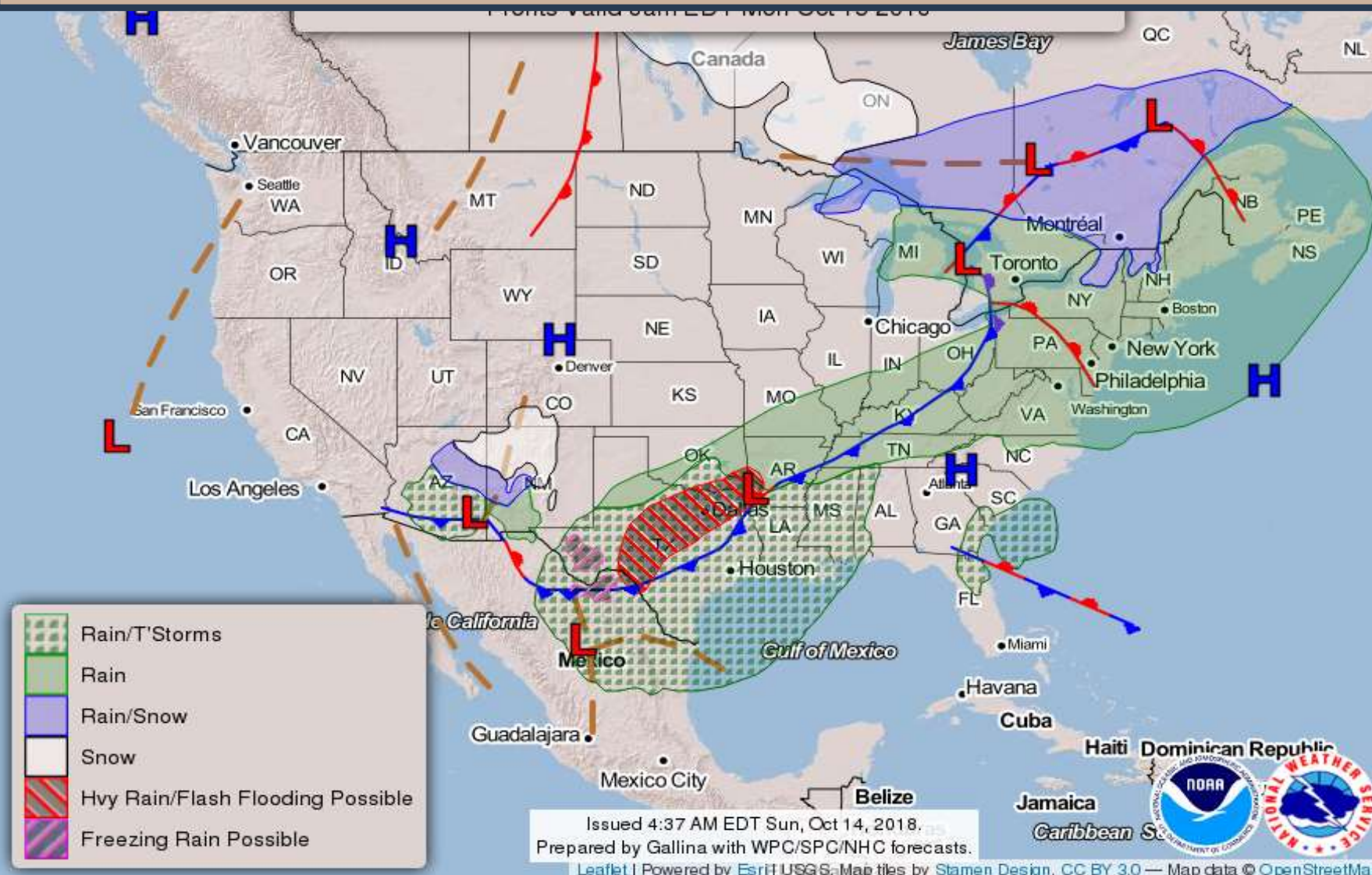
Graphic Created

Tomorrow's Weather

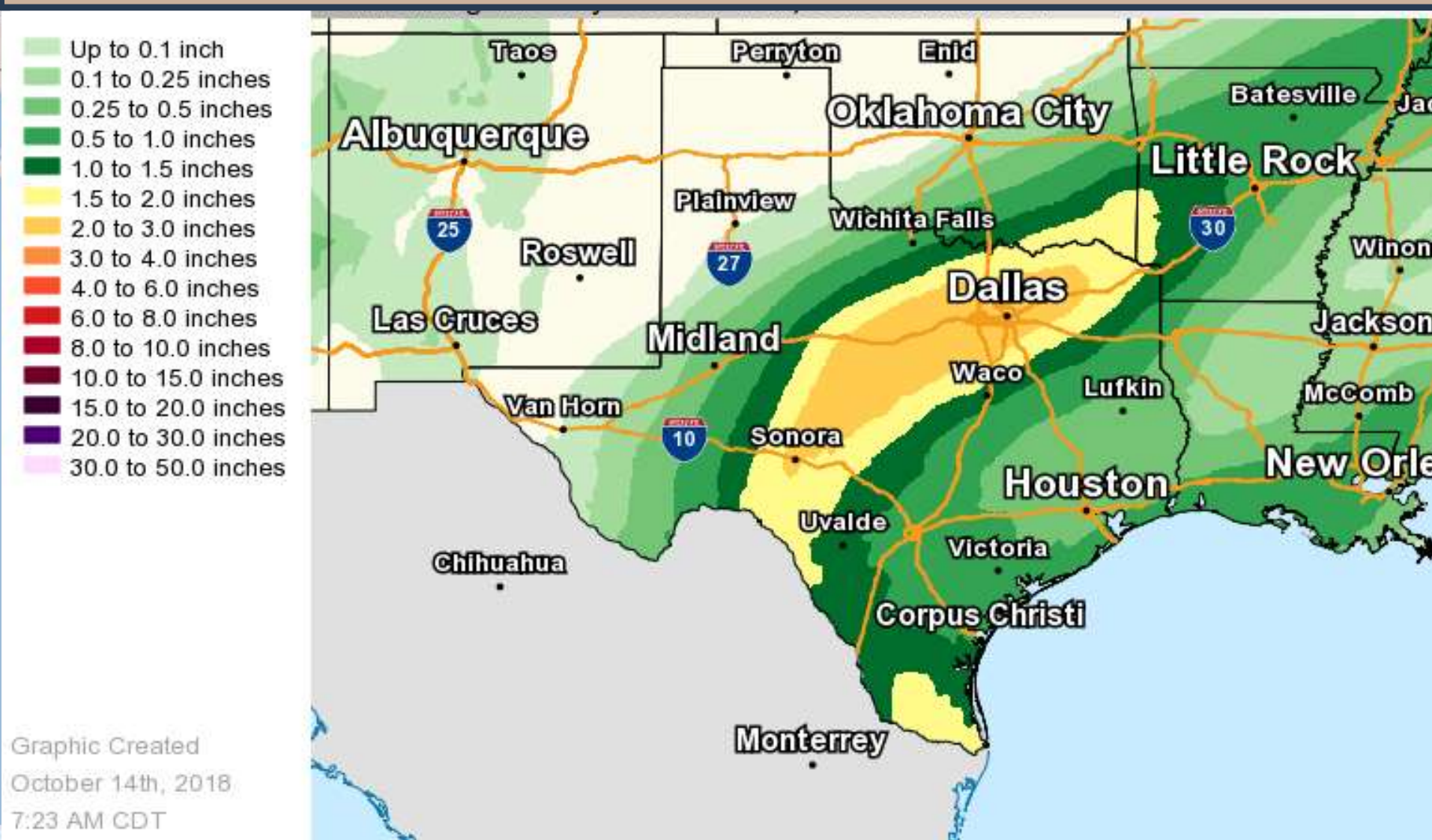


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Forecast Chart



Forecast Rainfall

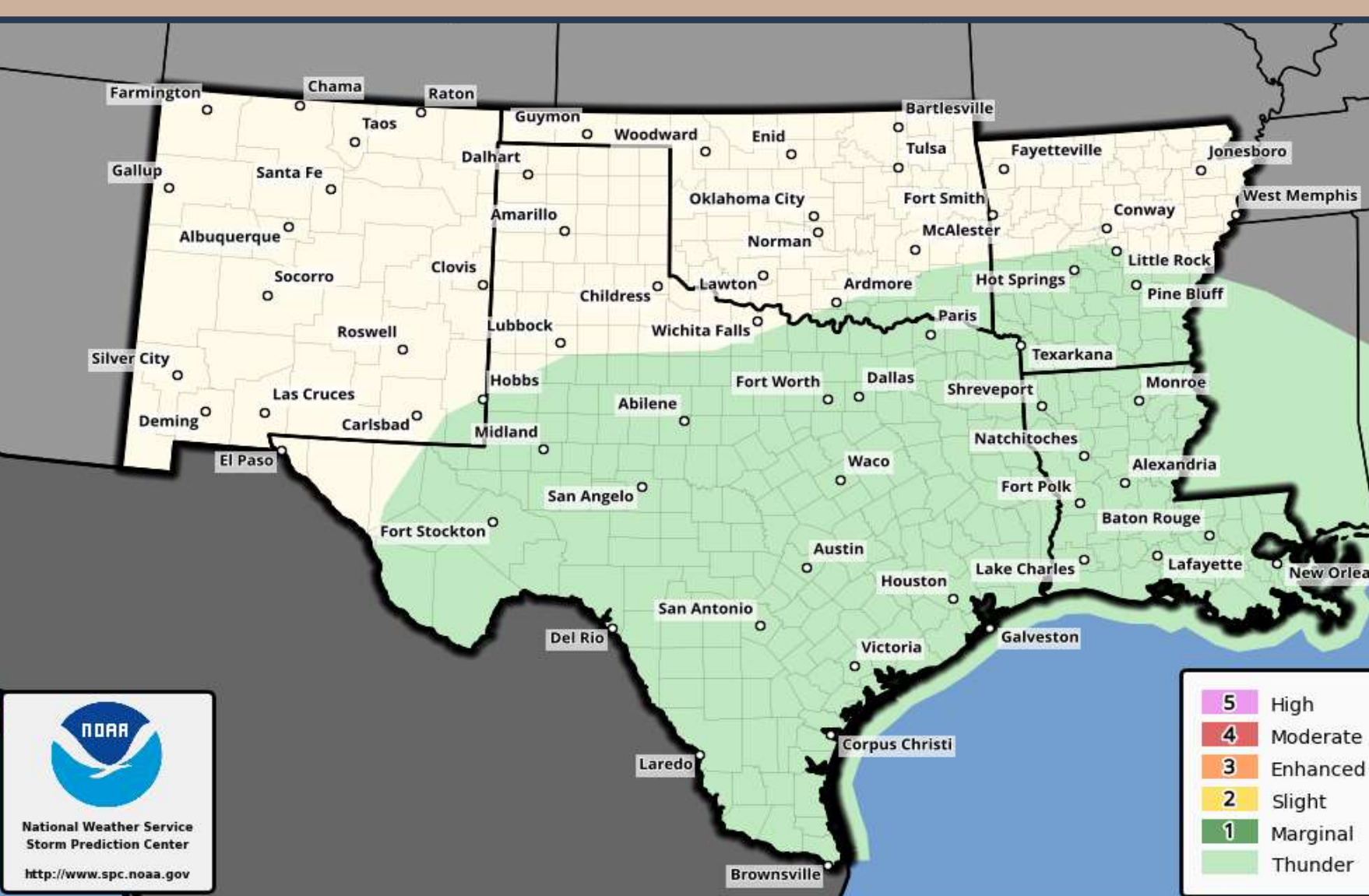


Isolated heavy rain possible from W-Central AR through SE OK and into N-Central through SW TX.

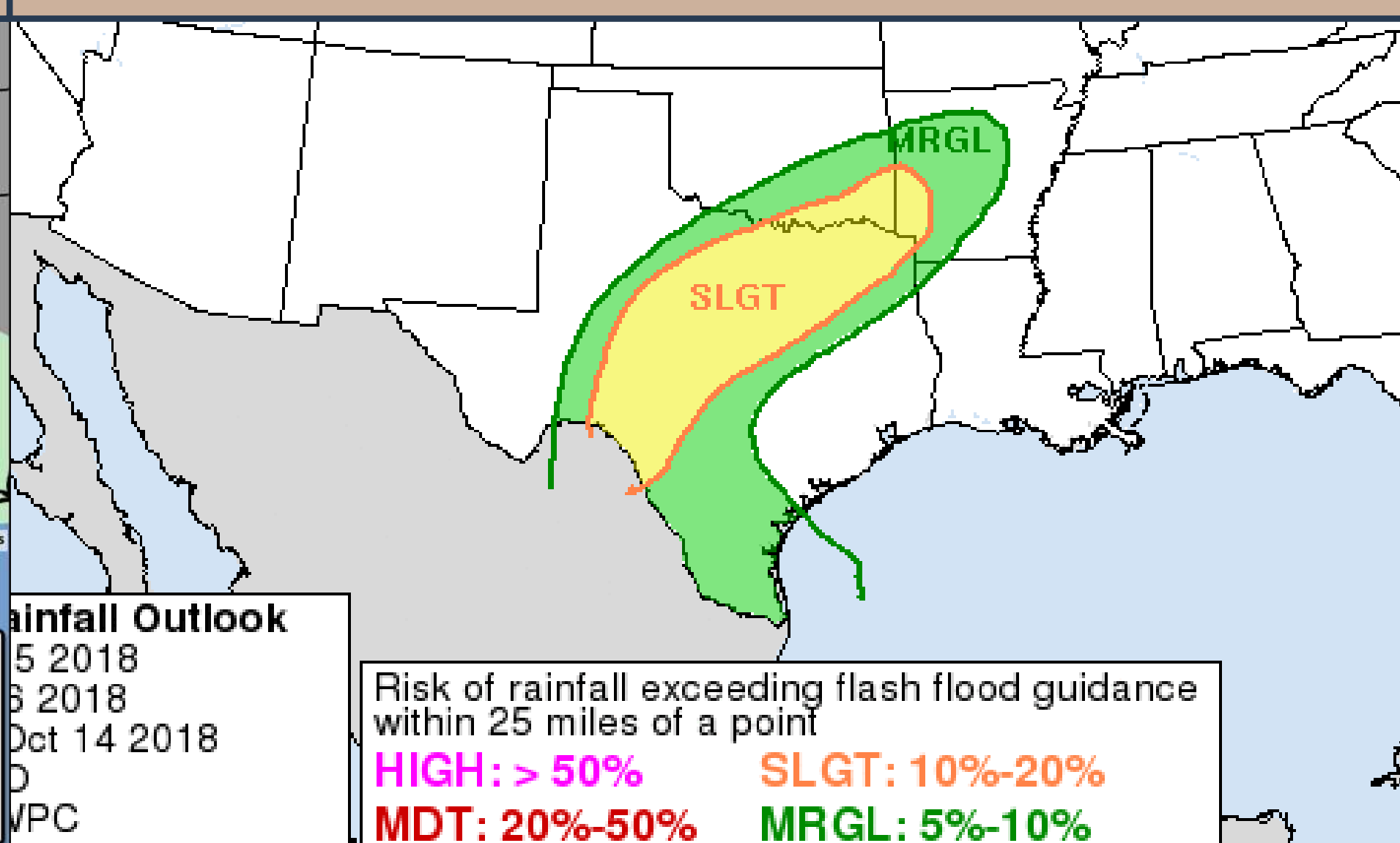
Record cold temperatures in the morning over N & E NM; freezing drizzle and fog, snow and wintry mix will be ongoing; significant travel impacts likely in the morning.

Light accumulations of snow and ice are possible over N-Central and E-Central NM as well as the OK and TX Panhandles through midday.

Severe Weather Outlook



Excessive Rainfall Outlook



Tuesday's Weather

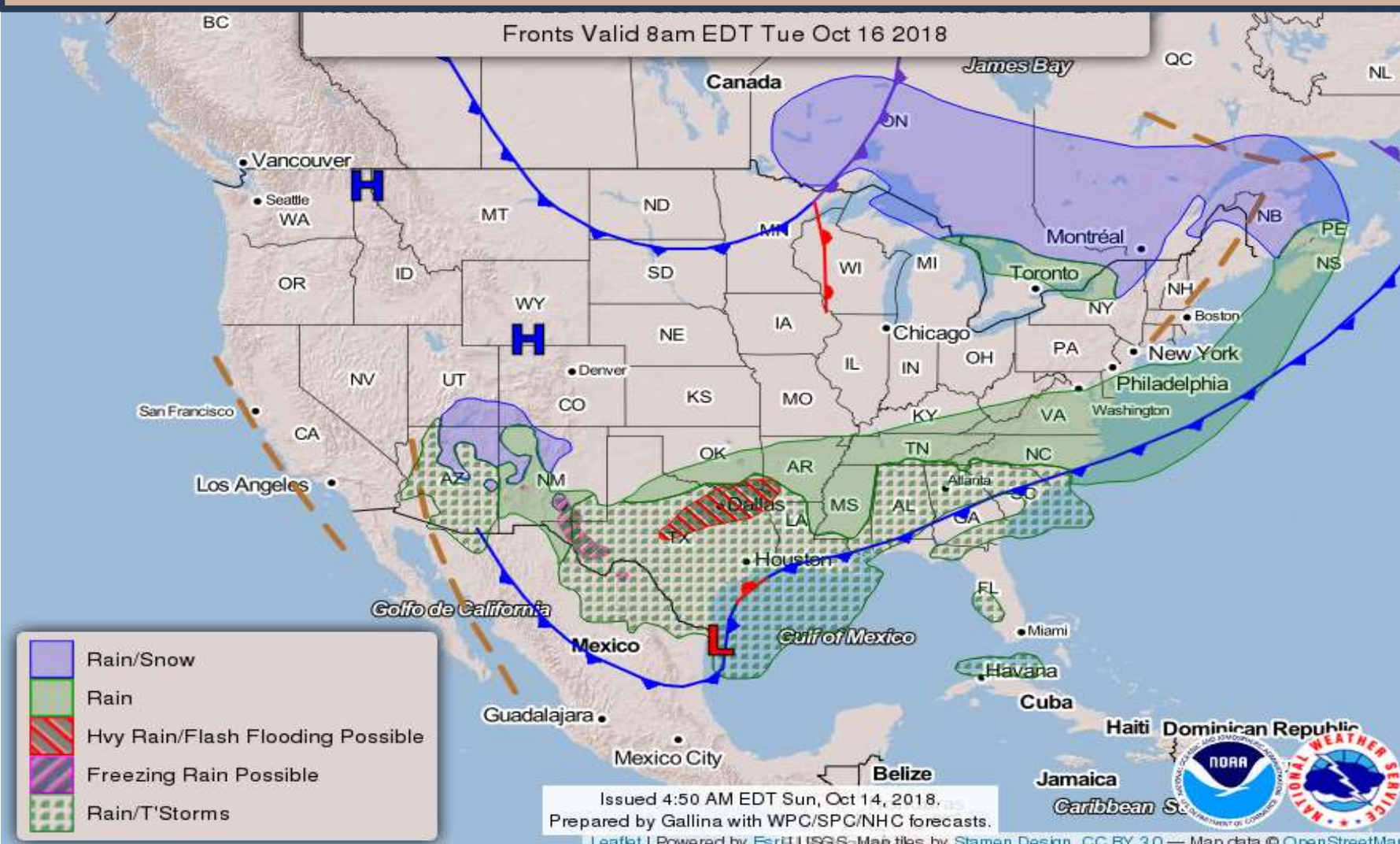


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Forecast Chart

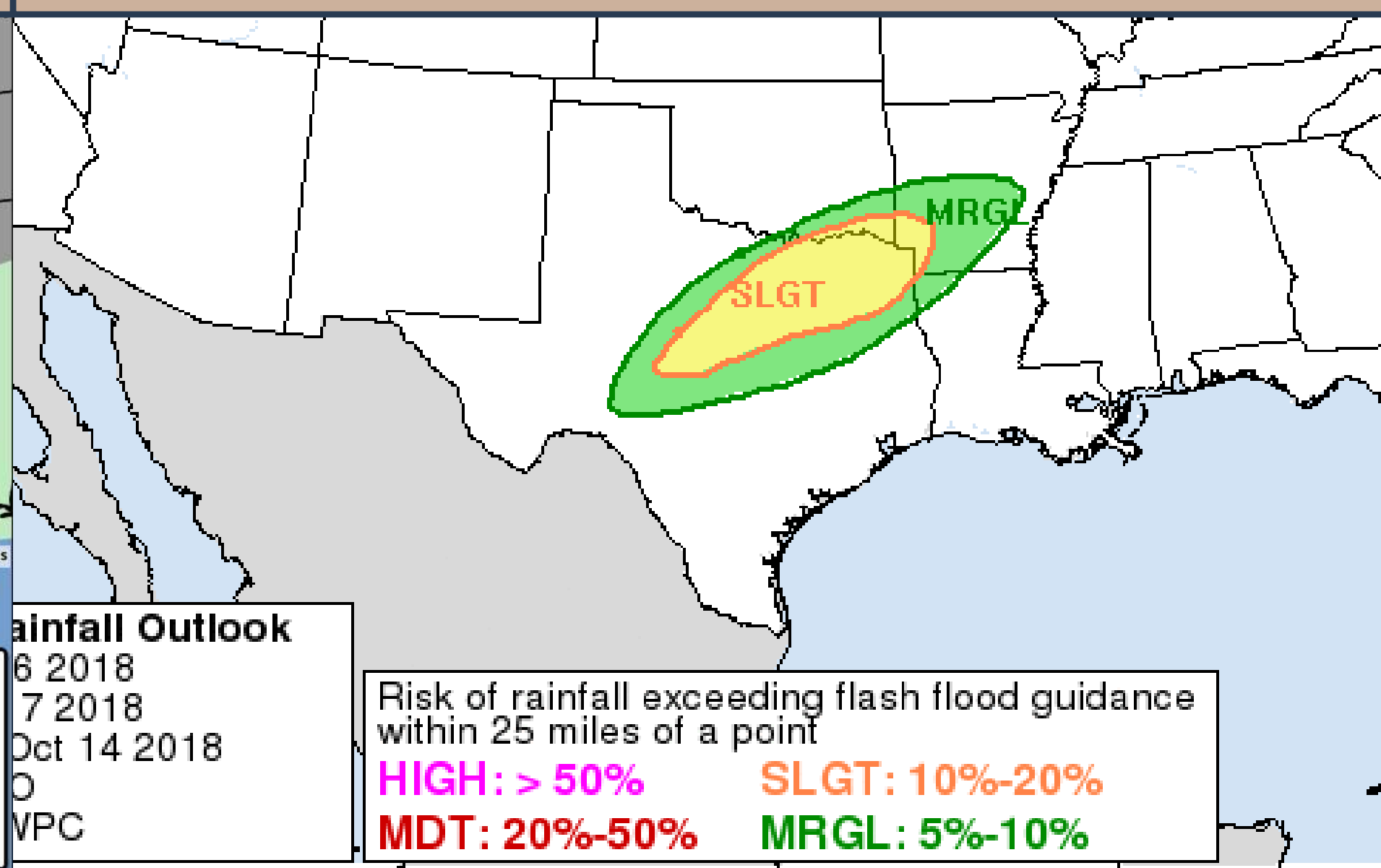
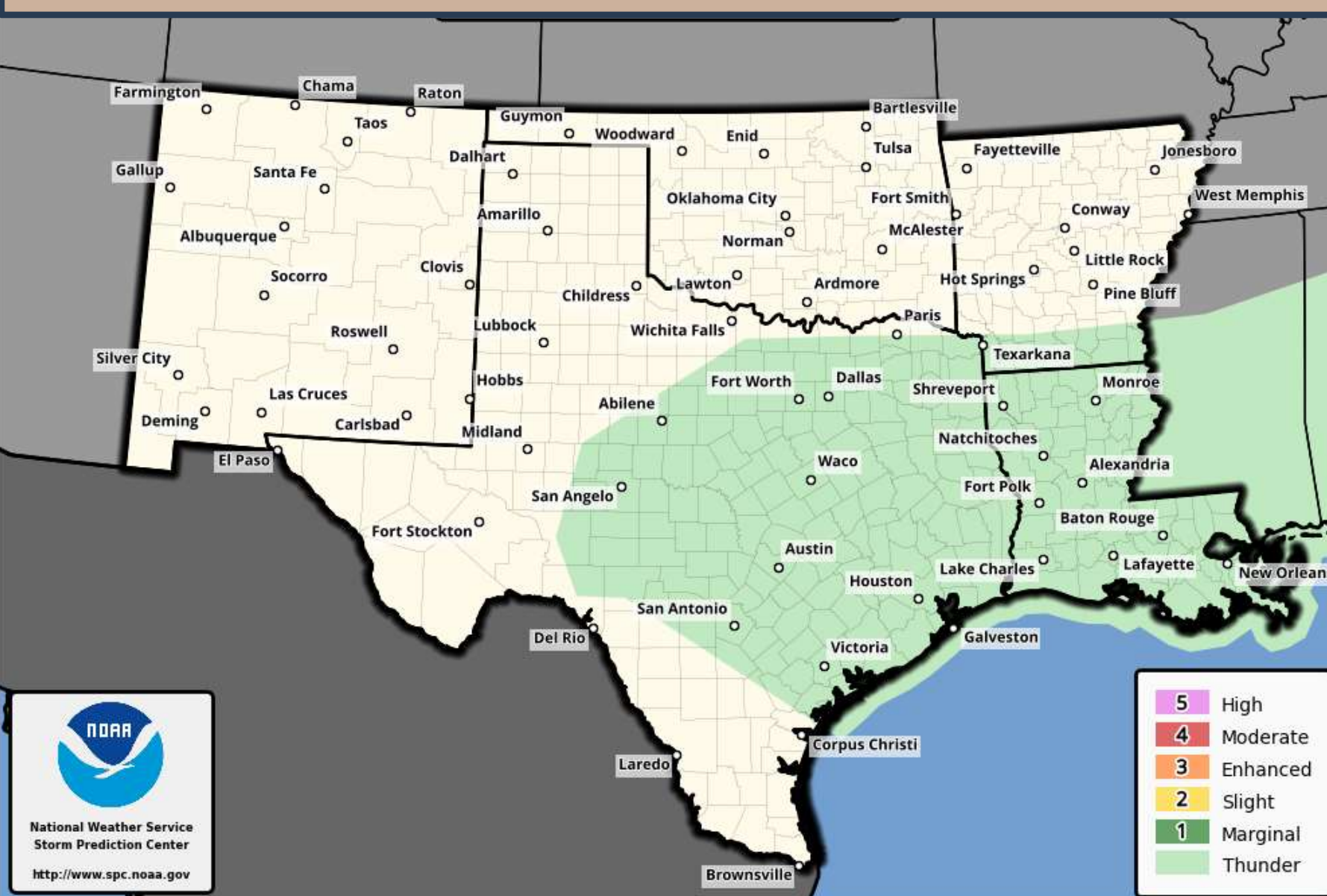
Forecast Rainfall

Isolated heavy rain possible from SW AR through SE OK and into N-Central TX.



Severe Weather Outlook

Excessive Rainfall Outlook

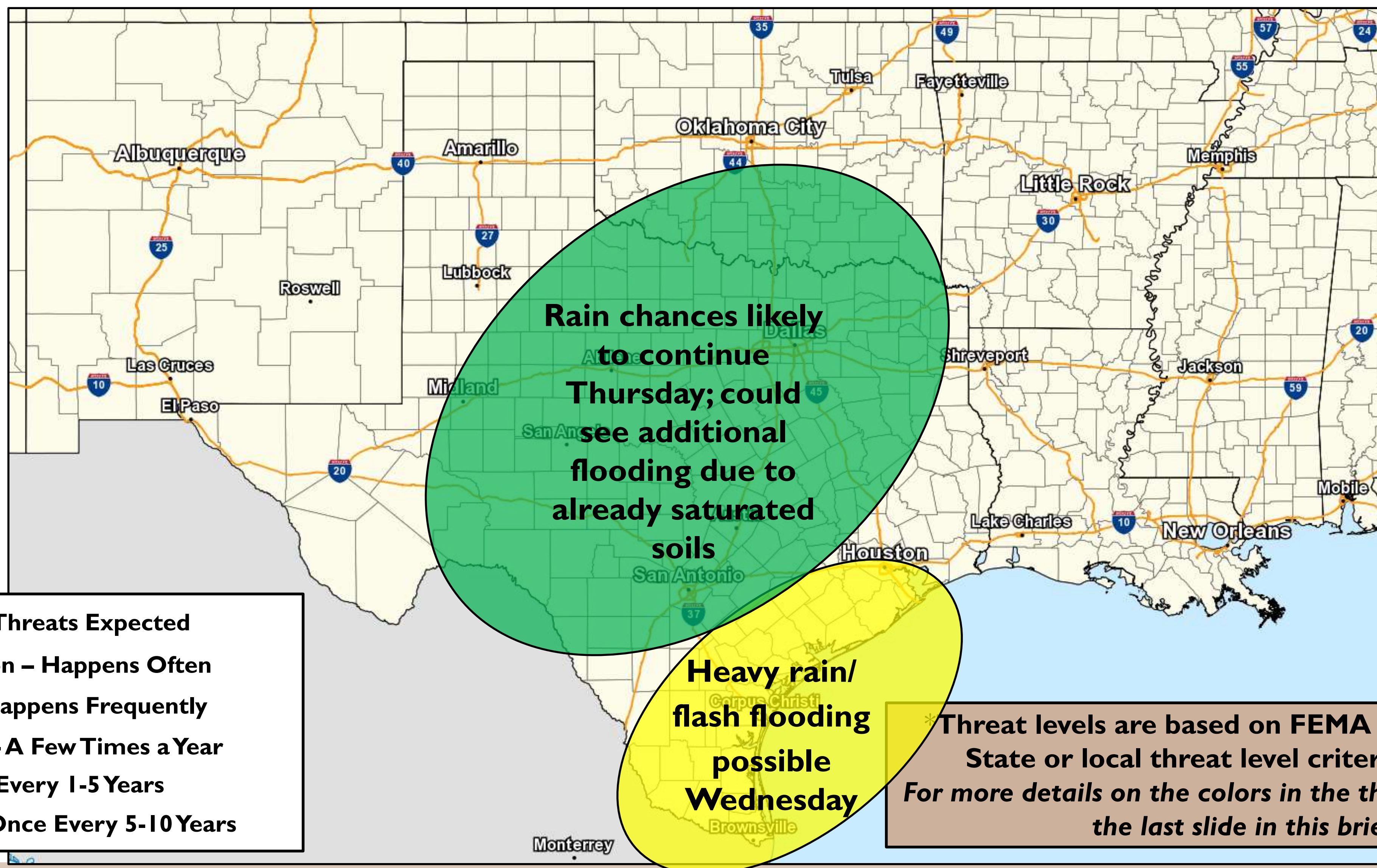


Days 4-5 Weather Hazards

Wednesday - Thursday



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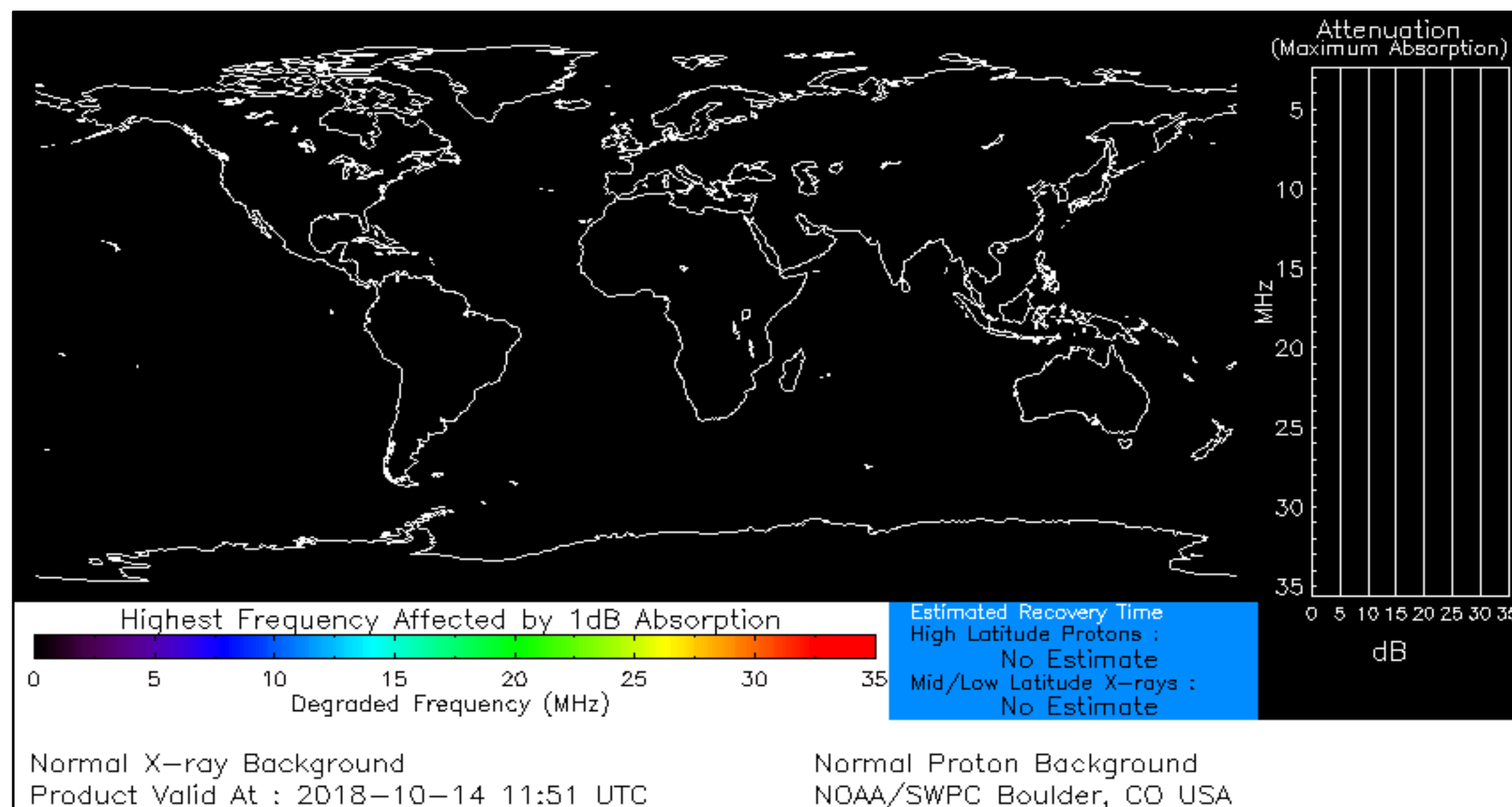


Space Weather 3-Day Forecast



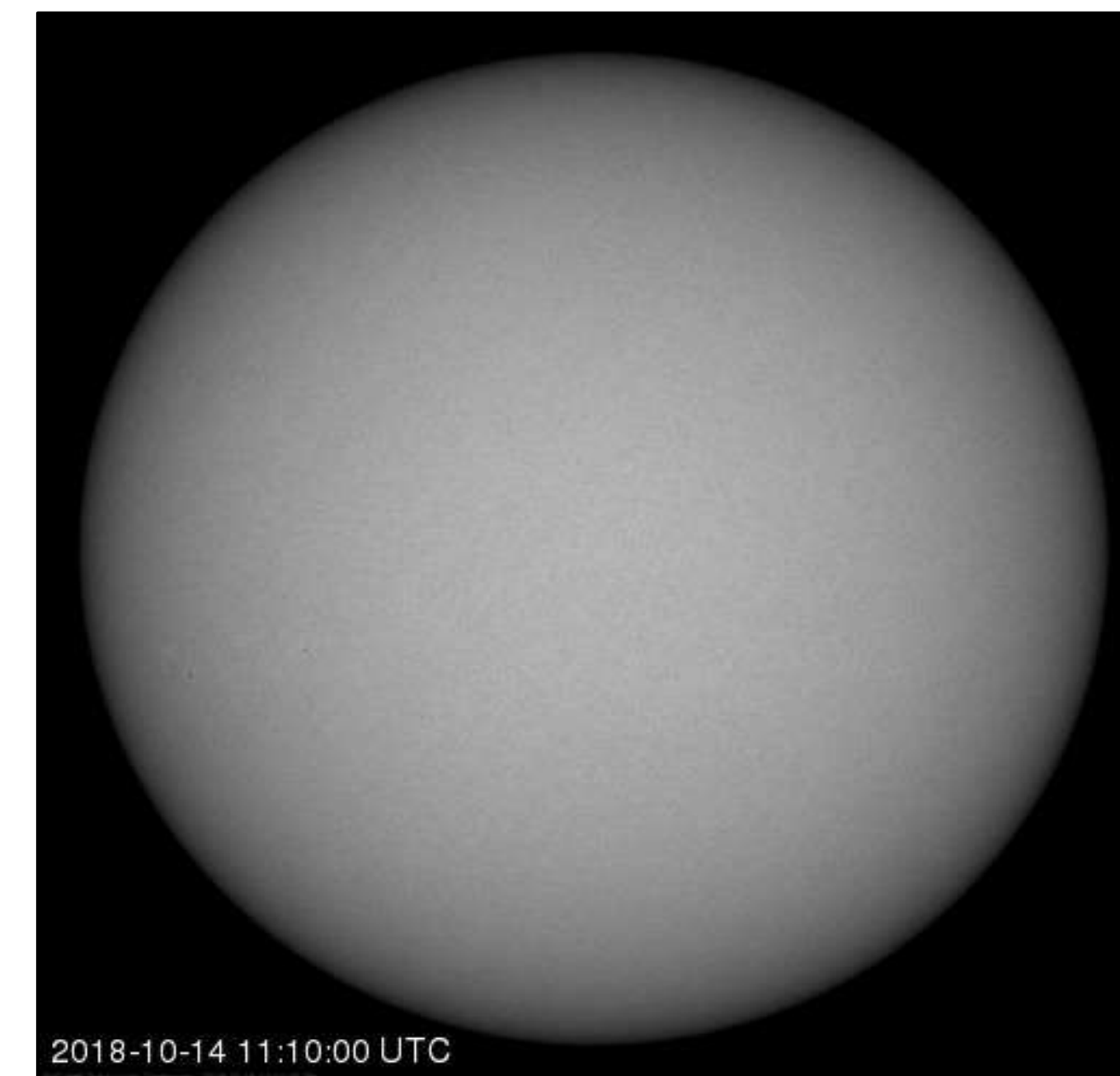
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	Sunday	Monday	Tuesday
Geomagnetic Storms	Quiet to Active (Max Kp = 4)	Quiet (Max Kp = 2)	Quiet (Max Kp = 1)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov